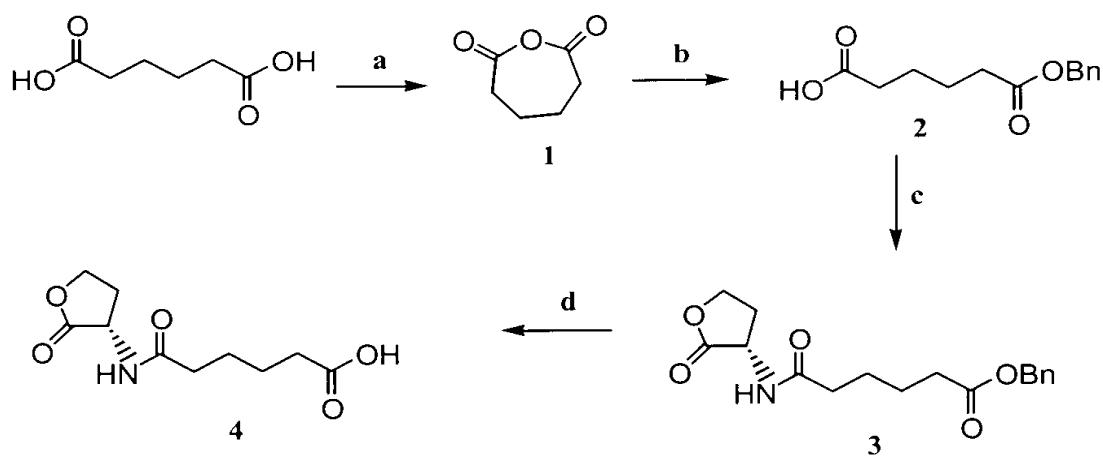


Scheme 1[†]

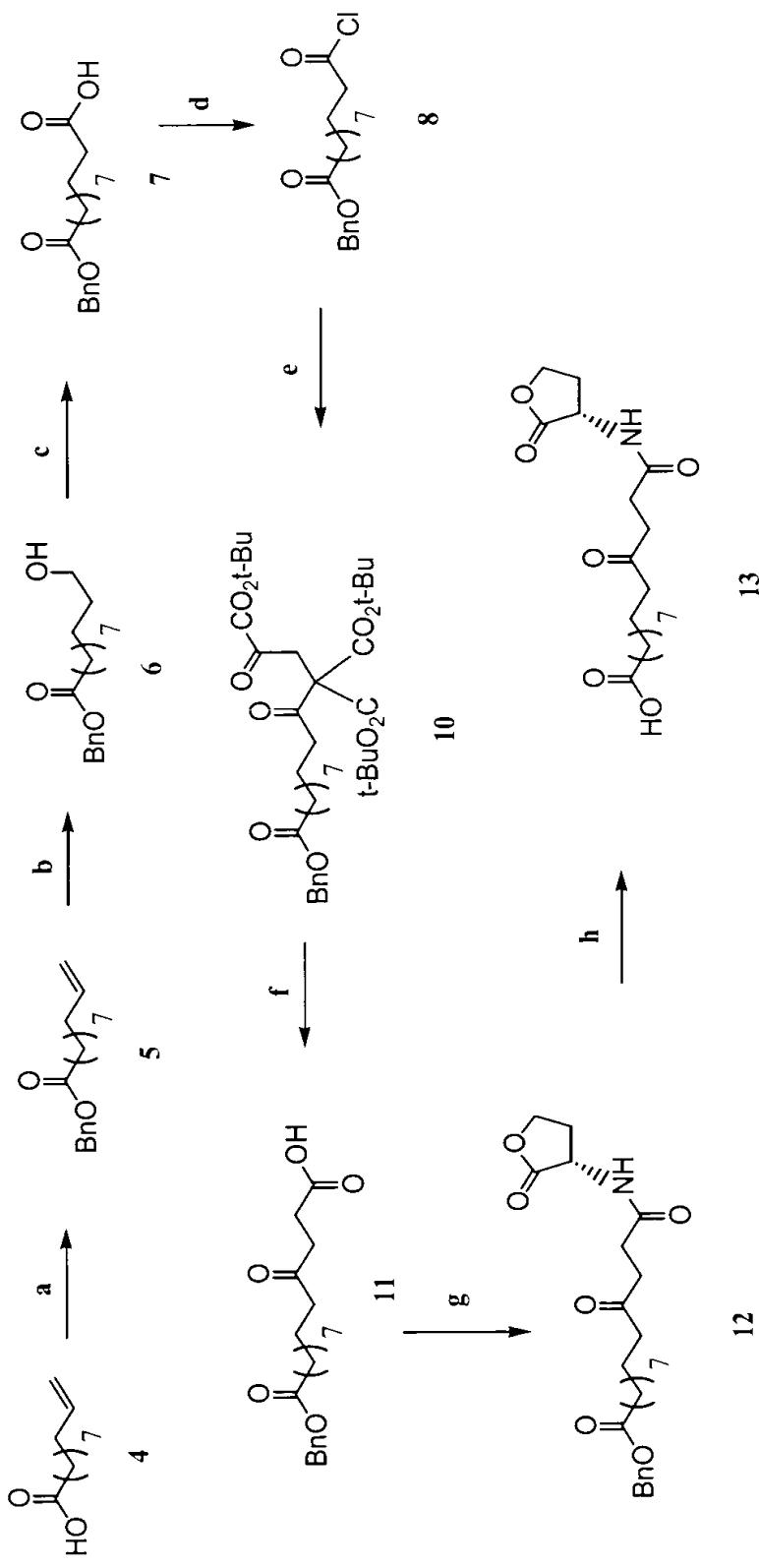


[†]

a, Ac₂O, reflux ; b, C₆H₅CH₂OH/CH₂Cl₂ ; c, homoserine lactone hydrobromide, EDC, HCl, CH₂Cl₂, pyridine ; d, Pd/C, H₂, EtOAc.

FIGURE 1

Scheme 2[†]



[†]
 a, K_2CO_3 , BnBr , DMF; b, (1) BH_3 /THF, (2) NaOH , H_2O_2 ; c, pyridinium dichromate, DMF; d, $(\text{COCl})_2$, toluene; e, NaH , 9, THF;
 f, p-TsOH , toluene, reflux; g, EDCl , CH_2Cl_2 , homoserine lactone hydrobromide, Hunig's base; h, Pd/C (10%), H_2 ;

FIGURE 2

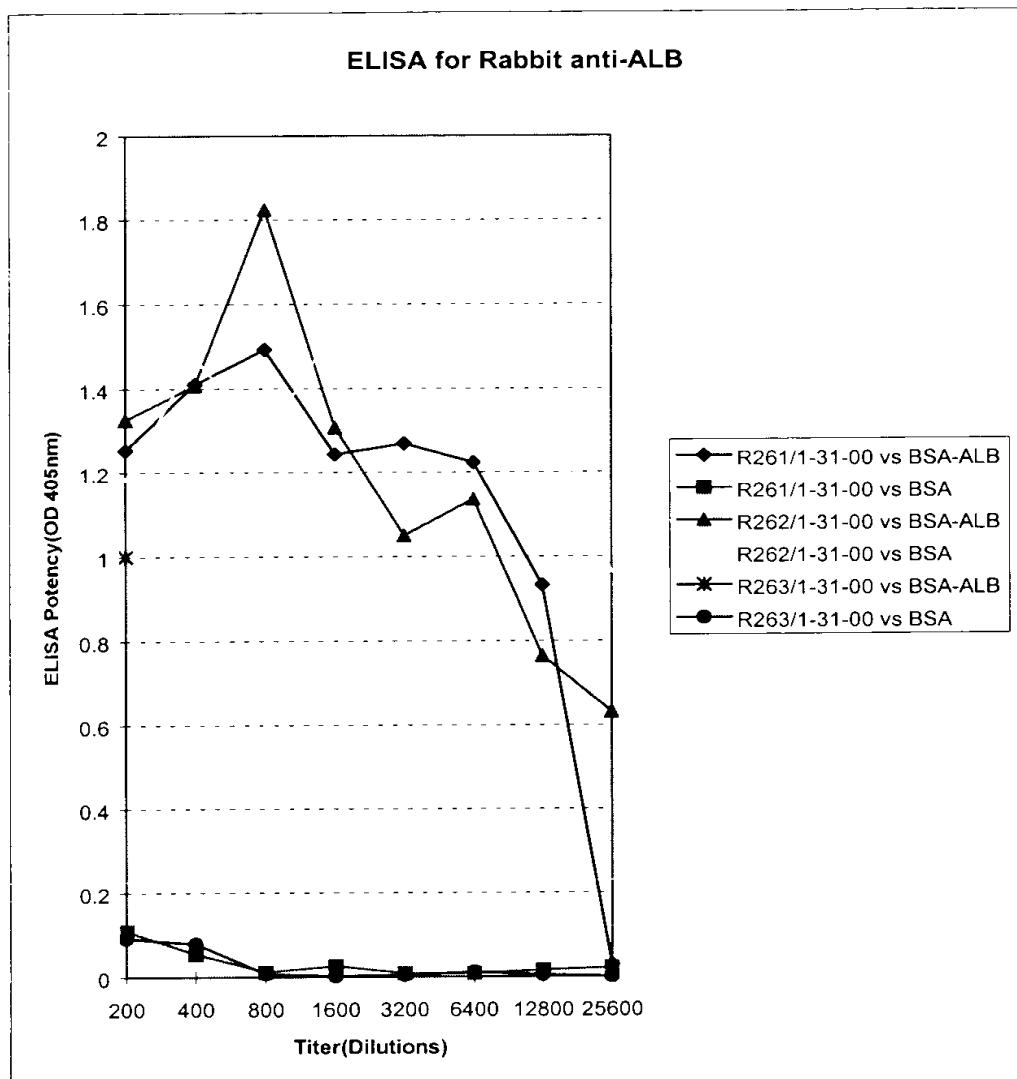


FIGURE 3